IFWO

RAW SEQUENCE LISTING   DATE: 09/01/2004
PATENT APPLICATION: US/10/783,989   TIME: 17:10:49

Input Set : **A:\22731402.app**
Output Set: **N:\CRF4\09012004\J783989.raw**

```
 3 <110> APPLICANT: GLYNNE, RICHARD J.
 4        HONG, NANCY AI-HUA
 5        NELMS, KEATS A.
 6        WU, HUA
 8 <120> TITLE OF INVENTION: SENSIN POLYPEPTIDES, ENCODING NUCLEIC ACIDS, MUTATIONS,
 9        AND METHODS OF THEIR IDENTIFICATION AND USE
11 <130> FILE REFERENCE: 022731-0402
13 <140> CURRENT APPLICATION NUMBER: 10/783,989
14 <141> CURRENT FILING DATE: 2004-02-20
16 <150> PRIOR APPLICATION NUMBER: 60/448,964
17 <151> PRIOR FILING DATE: 2003-02-21
19 <160> NUMBER OF SEQ ID NOS: 84
21 <170> SOFTWARE: PatentIn Ver. 3.2
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 5454
25 <212> TYPE: DNA
26 <213> ORGANISM: Mus musculus
28 <400> SEQUENCE: 1
29 cttcggctct gcagactgag agccgggctg ccaccgccac catgggcggg aagaacaagc 60
30 agcggactaa ggggaacctc aggccttcaa acagtggccg agctgcagaa ctcctcgcca 120
31 aagagcaggg aacagtgcct gggttcattg gttttggcac atctcacagt gacctgggct 180
32 atgttccggc tgttcaaggc gcggaagaca tagacagtct tgtagattcc gatttccgaa 240
33 tggtgctgcg gaaactttcc aaaaaagatg ttacaacaaa gctaaaggca atgcaagaat 300
34 ttggaattat gtgcacagag agagacacag aagccgtcaa aggggttctt ccatactggc 360
35 caagaatctt ctgcaaaatc tcccttgatc atgatcgccg tgttcgagag gcgacgcagc 420
36 aagcttttga aaaacttatc cttaaagtaa agaagcactt agctccctat ttaaaaagcg 480
37 tgatgggcta ttggttgatg gctcagtgtg acacatatcc accagctgca ctggcagcaa 540
38 aagatgcatt cgaagccgct ttccctccaa gcaagcaacc tgaagccata gcgttttgca 600
39 aggaagaaat tacaactgtg ttacaggacc atcttctgaa ggagactcct gacacactca 660
40 gtgaccctca aactgtgcca gaggaagaga gagaggctaa gttccaccga gtcgtgacgt 720
41 gctctttatt ggcactgaag agattgcttt gtttcttacc taacaatgag cttgattctc 780
42 tggaggagaa atttaaatca cttttatcac agaataaatt ttggaagtat ggaaaacaca 840
43 gtgtacctca ggtccgctca gcatattttg agttagtttc tgctttgtgc cagcacgttc 900
44 cccaggtgat gaaagaggaa gctgccaaag tgagtccatc tgtcctgctc agcattgatg 960
45 acagtgaccc tgtggtctgc ccagctctct gggaggctgt gctctacacg ctgacaacta 1020
46 ttgaggactg ttggtttcat gtaaatgcca agaaaagtgt gtttccgaag ctgatggcca 1080
47 tgatccgaga gggtggccgg ggcctagctg ctgttatgta tccttacctc ttaccgttca 1140
48 tcagcaaact ccctcagtcc atcacagagc caaagctgga cttcttcaaa aacttcctca 1200
49 cctctctagt taccgggctg tcaactgaga ggaccaaatc gagctcttct gagtgctcag 1260
50 ctgtcatccc ggcatttttt gaatgtttgc ggtttataat gcagcagaac ttaggcgagg 1320
51 aggagatggt gcagatgctt atcaatgagc agttgatccc atttattgat acagtcctca 1380
52 aagactcagg actgcaccac ggaccgatgt tgaccatttt agcagacaca ttgagctctt 1440
53 gggaagccaa agcagatgca gagcgagacc ctggagctgt ttacaacttg gagaacgttc 1500
```

RAW SEQUENCE LISTING   DATE: 09/01/2004
PATENT APPLICATION: US/10/783,989   TIME: 17:10:49

Input Set : A:\22731402.app
Output Set: N:\CRF4\09012004\J783989.raw

```
 54 tgctaagctt ctggggaaga ctgtcagaga tctgcaccga gaaaatccgc cagccagaag 1560
 55 cagatgtgaa gtccgttctg tgtgtgtcta gcctagtagg ggtccttcag aggccaagga 1620
 56 gctcactgga gttacacaga aagaaaactg ctcaggtcag gtttgccatc aatatacctg 1680
 57 aagctcataa aggggatgaa aagtccatgt cttcagaagg agagaacagc gagggctctg 1740
 58 acggaggggc tcagtctcct ctcagtaata catcttcaga cttagtatct cctttaagga 1800
 59 aaaaacctct ggaagactta gtctgtaagc tggcagaggt gagcattagc tttgtcaacg 1860
 60 agcggaagtc agagcagcac ctgcagtttc tctccacgct gctcgactcc ttctcctccg 1920
 61 tccaagtatt taacattctc ctcagtgaca aacagaagaa tgtcgtcaaa gccaaacctc 1980
 62 tggaaataac caaacttgca gaaaaaaatc ctgcagttaa gttcttatat cataaattga 2040
 63 taggctggct aaatgacagc cagaaagagg acggggggctt cctggtggac atcttgtata 2100
 64 gtgccctccg atgctgtgac agtggtgtgg aaaggaaaga agtcttggat gatctaacca 2160
 65 aggaggacct gaagtggagt tctcttcttc aggtcattga aaaggcatgt tctagctcag 2220
 66 ataaacatgc tttagtaact ccttggctaa aaggcagtat tcttggagag aaattggttg 2280
 67 ccttggcaga ctgtctttgt gataaggact tggaagccac aacatctgaa tcccactcat 2340
 68 cagaacagtg gagtctgcta agactggcgt tatcccaaca tgtcaaaaac gattacttga 2400
 69 ttggagaagt atacgttgga agaattattg ttaaacttca tgaaacttta tctaaaacaa 2460
 70 aggatttatc agaagcggca aacagtgact cttcagtgtc ttttgtctgt gatgtggtcc 2520
 71 atagcttctt cagttcagca ggaggaggct tgctaatgcc accatctgaa gacttgttat 2580
 72 taactctctt tcagttatgc gctcagagca aagaacggac acacttgcca gattttctga 2640
 73 tctgtaaact gaagaatact ttgctttctg gtgtaaattt attggtccat caaactgcaa 2700
 74 gtacatatga gcagagtacc ttcctacgtt tgtctgttct gtggctgaag gaccaggttc 2760
 75 agtcttcggc tttggataac acaagtcttc aggtcctctt gtctgctgct ggcgacttgc 2820
 76 tgggtactct tgtagagagt gaggacacgt ctcttcttgg agtttatatc ggaagtgtaa 2880
 77 tgcccagtga cagcgagtgg gaaaagatga ggcaggctct tcctgttcag tggttacaca 2940
 78 gacctctttt agagggaagg ctgagtttaa attatgaatg cttcaagaca gatttttaagg 3000
 79 aacaagacac aaagactctt cccaaccatc tgtgtacttc atcgttattg agcaaaatga 3060
 80 tcttagttgc ccaaaaaaag aaattagtcc tagaagacaa cgtccttgaa aaaataattg 3120
 81 cagagctgct gtattcactg cagtggtgtg aagaactcga caatgcgcca tctttcctaa 3180
 82 gtggattttg tggaatcctt caaaaaatga atataactta cagcaactta tctgtactta 3240
 83 gtgagacttc tagcctcttg cagctgttat ttgacagatc tagaaaaaat ggcacacttt 3300
 84 ggtctcttat tattgctaag ttgatccttt cccgaagtat ttcatctgat gaagtgaaac 3360
 85 catactataa aagaaaagaa agtttcttcc ctctaacaga aggtagtttg cataccattc 3420
 86 aaagtctctg tccattcttg tctaaagaag agaagaagga atttagtgct cacagtatac 3480
 87 ccgctttttt gggttggact aaagaagacc tttgcagtat taatggagcc tttggacatc 3540
 88 ttgccatttt caattcttgt ctgcaaacca gaagtataga cgacaaacag ctattgcatg 3600
 89 gcatattaaa aattataaca agctggagga aacagcatga agatattttt cttttttagct 3660
 90 gtaatctgtc ggaagcgagt ccagaggtcc ttggtttaaa catagagatc atgcggttcc 3720
 91 tttccttgtt tctcaagcac tgcgcgtacc cgctcccgct ggcagacagt gaatgggact 3780
 92 tcatcatgtg ctccatgctg gcttggttgg agacaaccag tgagaaccag gctctgtact 3840
 93 ctgttccact tgtgcagctg tttgcctgtg tcagctttga tctggcctgt gatctctgtg 3900
 94 ccttttttga ctcaataact ccagatattg ttgacaatct tcctgtaaat ctcatcagtg 3960
 95 agtggaaaga gttttttttct aaaggcatcc acagtttgct attacctctt ttggtaaatg 4020
 96 ctatcggaga aaacaaagac ctatctgaaa cgtcctttca gaacgcaatg ctgaaaccca 4080
 97 tgtgtgaaac actaacatac atctccaagg accagctact gagccacaag ctccctgcga 4140
 98 gattggttgc cagccagaaa acaaacttgc cagagcacct ccagactctg ctgaacactt 4200
 99 tgaccccact gcttctcttc agagccagac ctgtgcaaat tgctgcttat catatgctgt 4260
100 gcaaactgat gcctgaattg ccacagcatg atcaggacaa tctgaggtcg tatggagatg 4320
101 aagaggaaga accagccttg tcgccgccgg ccgcgctgat gtctctcctc agctctcagg 4380
102 aggagctgct ggagaatgtc ctgggctgtg tccctgtggg ccagatcgtg accgttaagc 4440
```

RAW SEQUENCE LISTING   DATE: 09/01/2004
PATENT APPLICATION: US/10/783,989   TIME: 17:10:49

Input Set : A:\22731402.app
Output Set: N:\CRF4\09012004\J783989.raw

```
103 cactgagcga ggacttctgc tatgtcctgg gatacctcct cacttggaag ttaatactga 4500
104 cttttcttcaa agctgcatcg tctcagcttc gtgctctgta ttcaatgtac cttcggaaaa 4560
105 caaagagtct gaataaatta ctctatcatc tcttcagact tatgccagaa aaccctacgt 4620
106 acggagagac agctattgag gtatcaagta aagaccccaa gaccttcttc accgaggagg 4680
107 ttcagctgag tattagagaa acagcaactc ttccgtatca tatcccacac ctggcgtgct 4740
108 cggtctatca catgacttta aaagacttgc ctgccatggt taggctatgg tggaatagca 4800
109 gtgagaagcg tgtcttcaat attgtagata gatttacaag caagtatgtc agcaatgttc 4860
110 tttcttttca agaaatatct tctgtacaaa caagtacaca gctattcaat ggcatgacgg 4920
111 ttaaggcgcg agctactact cgagaagtga tggctacgta caccatcgaa gacatagtca 4980
112 ttgaactcat aatacagttg ccttccaatt acccactggg ctcaataaca gtggaaagtg 5040
113 ggaagaggat cggggtggct gtgcagcagt ggcgaaactg gatgctgcag ctgagcacgt 5100
114 acctcactca ccagaacgga agtatcatgg aaggcttagc attatggaag aataatgtag 5160
115 acaaacggtt tgaaggtgtt gaagattgta tgatctgctt ctcagttatt catggtttca 5220
116 actattctct tcccaaaaaa gcctgtagaa catgcaagaa aaagtttcac tcagcttgcc 5280
117 tgtacaaatg gtttacatct agcaacaagt ccacttgccc gctctgccgt gagacctttt 5340
118 tctgaggttt ttttcattgg aagttgtcgc tgccgtaggt caagccaaag ggaatggatt 5400
119 ggctccacct tgaagtactg atgtgaagcc agtgagcatg acaaagtgcc atcg        5454
122 <210> SEQ ID NO: 2
123 <211> LENGTH: 5444
124 <212> TYPE: DNA
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 2
128 cagcaaatgg acaggtgggt ggcggaaaag ggcccggggg aagttattac agggtgtcct 60
129 cttccgccgc cagaagccgg aagttgtgtc ccggacgtgt caaccggggt ctgagtgctc 120
130 agagtacagc tgcaaccgcg accatgggcg ggaagaacaa gcagcgaact aaagggaacc 180
131 tgaggccttc aaacagtggc cgagctgcag aactccttgc caaagaacag ggaacagtgc 240
132 ctggatttat tggttttgga acatctcaga gtgacctagg ctatgttcct gctattcaag 300
133 gagctgaaga aattgacagt cttgtagatt ctgatttccg aatggtgctg cggaaacttt 360
134 caaagaaaga tgtcaccaca aaattaaaag ctatgcagga atttggaacc atgtgtacag 420
135 agagagacac agaaactgtg aaaggagttc ttccatattg gccaagaatt ttttgcaaaa 480
136 tttcacttga tcatgaccgt cgcgtccgag aagccacaca acaagctttt gaaaaactta 540
137 tccttaaagt aaagaaacag ttggctccct acttaaaaag tttaatggga tattggctaa 600
138 tggctcagtg tgatacttac acaccagctg cgtttgcagc aaaaagatgca tttgaagcgg 660
139 cttttcctcc aagcaagcaa cctgaagcca tagcattttg taaggatgaa attacaagtg 720
140 tgctgcagga tcatcttata aaagaaacac ctgatacact cagtgacccg caaactgttc 780
141 cagaggaaga aagagaagct aaattctacc gggttgtaac ttgttcctta ttggcattaa 840
142 agagattact ttgccttttа cctgataatg agcttgattc tctggaggag aaatttaagt 900
143 ctctttttatc acagaataag ttttggaagt atggaaaaca cagtgtacct cagattcgct 960
144 cagcttattt tgagttagtc tctgcattgt gccagcgcat tccacagttg atgaaagagg 1020
145 aagcatccaa agtgagccca tcagttctac ttagcattga tgacagtgac ccaattgtct 1080
146 gcccagctct ctgggaagct gtactctata cacttacaac tattgaggac tgttggcttc 1140
147 atgtaaatgc aaaaaagagt gtgtttccca agctatcaac tgtgattcgt gaaggtggtc 1200
148 ggggtctagc tactgtcata tatccttacc ttctgccatt catcagcaag ctccctcagt 1260
149 ccatcacaaa tccaaagttg gatttcttca aaaatttcct cacgtctcta gttgctgggc 1320
150 tgtcaacaga gagaactaaa accagctctt tagagtcctc ggcagtaata tctgcttttt 1380
151 ttgaatgctt acgttttata atgcagcaaa acttaggtga ggaagagatt gaacagatgc 1440
152 tcgtcaatga tcagttgatc ccttttattg atgcagttct caaagaccca ggattgcaac 1500
153 atgggcagct atttaaccat ttagcagaaa ctctaagttc ctgggaagcc aaagcagaca 1560
154 cggaaaaaga tgaaaaaaca gctcacaact ggagaacgt actgatacat ttctgggaaa 1620
```

RAW SEQUENCE LISTING   DATE: 09/01/2004
PATENT APPLICATION: US/10/783,989   TIME: 17:10:49

Input Set : A:\22731402.app
Output Set: N:\CRF4\09012004\J783989.raw

```
155 gactgtcaga gatctgtgtt gcgaaaatca gtgagccaga agctgatgtt gagtccgttt 1680
156 tgggtgtatc taacctatta caggtgcttc agaagccgaa gagctcattg aagtcaagta 1740
157 aaaaaaaaaa tggtaaggtt agatttgctg atgagatact tgaaagcaat aaagagaatg 1800
158 aaaaatgtgt atcttcagaa ggagagaaga ttgaaggctg ggaattaaca actgaacctt 1860
159 ctctcactca taattcttca ggccttttgt ctcctctaag gaaaaaacct ttggaagact 1920
160 tagtctgtaa actcgcagat ataagtatta attatgtcaa tgaacgaaag tcagagcaac 1980
161 atctaaggtt tctttctact ctgcttgact ccttttcttc aagccgagta tttaaaatgc 2040
162 tacttggtga tgaaaaacag agtattgtcc aagccaaacc tcttgaaata gccaagcttg 2100
163 tacaaaaaaa tcctgcggtg cagtttttat accagaaact gataggttgg ctaaatgaag 2160
164 atcaaaggaa ggattttggt ttcctggtgg acattttgta cagtgctctc cggtgctgtg 2220
165 acaatgatat ggaaagaaaa aaagtcttgg atgatctaac caaggtggac ttgaaatgga 2280
166 attctcttct taagattatt gaaaaggcat gtcctagttc agataaacat gctttagtaa 2340
167 ctccttggct caaaggcgat atccttggtg agaaattggt caacttggca gattgtcttt 2400
168 gtaatgagga cttggaatcc agggtatctt cagaatctca cttctcagaa agatggactc 2460
169 ttctaagctt ggtattatcc caacatgtta aaaatgatta cttgattgga gacgtatatg 2520
170 ttgaaagaat cattgttaga cttcatgaaa ctttattcaa aacaaagaaa ttatcagaag 2580
171 ctgaaagcag tgactcatca gtgtcttta tctgtgatgt ggcctataac tatttcagct 2640
172 cagcgaaagg atgcttgcta atgccatcat ctgaagattt attattaact ctctttcagt 2700
173 tatgtgctca gagcaaagaa aaaacacatt tgccagattt tcttatctgt aaactgaaaa 2760
174 atacttggct ctctggtgta aatttattgg ttcatcaaac tgacagttca tataaagaga 2820
175 gtaccttcct acatttgtct gctctgtggc tgaagaacca agttcaggct tcatctttgg 2880
176 atatcaacag tctccaagtc ctcttgtctg ctgttgatga tttgctaaat acacttctag 2940
177 agagtgaaga ttcttatctt atgggagttt atattggaag tgtaatgccg aacgacagtg 3000
178 aatgggaaaa gatgaggcag tctcttccta tgcagtggtt acatagacct ctttagagg 3060
179 gaagattgag tttgaattat gaatgtttca aaacagattt taaggaacag gacataaaga 3120
180 cacttcccag ccatttgtgt acttcagcat tattgagcaa aatggtctta attgcactga 3180
181 gaaaggaaac agtcttagaa aataatgagc ttgagaaaat aattgcagaa ctgctttatt 3240
182 cactgcagtg gtgtgaagaa ttagataacc cacctatttt tctaattgga ttttgtgaaa 3300
183 tacttcaaaa aatgaatatt acgtatgata acttacgtgt acttggtaat acgtcgggcc 3360
184 ttttgcagct gttatttaac aggtccagag aacatggcac actgtggtct cttattattg 3420
185 ctaagttgat cctttcccga agcatttcat ctgatgaagt aaaaccacat tataagagaa 3480
186 aagaaagttt ttttccacta actgaaggca atttgcatac cattcaaagt ctatgtccat 3540
187 ttttgtcaaa agaagaaaag aaagaattta gtgctcaatg tatacctgct ctttttgggct 3600
188 ggactaagaa agatctttgc agcactaatg gaggttttgg acatcttgcc attttcaatt 3660
189 cttgtctgca aaccaaaagt atagatgatg gagagctatt acatggaata ttaaaaatca 3720
190 taatatcctg gaagaaagag catgaagata ttttttctttt cagttgtaat ctatcagaag 3780
191 caagtccaga ggtactgggt gtaaatatag aaataatccg gtttctttcc ctatttctga 3840
192 aatactgctc atcccctttg gcagagagtg agtgggactt catcatgtgc tccatgttgg 3900
193 cttggttgga gacaacaagt gagaatcagg cattgtattc tattccactt gtgcaactgt 3960
194 ttgcctgtgt cagctgtgat ttggcctgtg acctcagtgc tttctttgat tccacaactc 4020
195 tggataccat tggcaatctt cctgtaaatc taatcagtga atggaaagaa ttttttttccc 4080
196 aaggcatcca cagtttgctt ttacctattt tggtgactgt tacaggagaa aacaaagatg 4140
197 tgtctgaaac atcctttcag aatgcaatgc tgaaacccat gtgtgaaaca ttaacgtata 4200
198 tctcaaagga acagctattg agtcacaaac ttcctgcaag attagttgct gaccaaaaaa 4260
199 caaacttacc agaatatctc cagactttgt aaatacatt ggccccatta ctcctcttca 4320
200 gagctaggcc tgtgcaaatt gctgtttatc atatgctata caaattgatg cctgaattac 4380
201 cacagtatga tcaggataat ctaaagtcat acggagatga agaagaagag ccagccttgt 4440
202 caccaccagc agcactgatg tctcttctta gcattcaaga ggacttacta gaaaatgttt 4500
203 tggggtgtat tcctgttgga cagatagtta ctattaaacc actgagtgaa gacttctgtt 4560
```

RAW SEQUENCE LISTING   DATE: 09/01/2004
PATENT APPLICATION: US/10/783,989   TIME: 17:10:49

Input Set : A:\22731402.app
Output Set: N:\CRF4\09012004\J783989.raw

```
204 atgttctggg ataccttctc acttggaaat taatactaac tttcttcaaa gctgcatcat 4620
205 cacagcttcg ggctttgtat tccatgtatc ttcggaaaac aaagagtttg aataaattgc 4680
206 tctatcacct gttcaggctt atgccagaaa atccaaccta tgcagagaca gcagttgagg 4740
207 tcccaaataa ggaccctaaa acattcttta ctgaggagct ccagctgagt attagagaaa 4800
208 caacaatgct tccataccac attccacact tggcttgttc agtctatcat atgacattaa 4860
209 aagacttgcc tgccatggtt aggttgtggt ggaatagcag tgagaagcgt gttttcaata 4920
210 ttgtggatag atttacaagc aagtatgtca gcagtgttct ttctttttcaa gaaatatctt 4980
211 ctgtacaaac aagtacacaa ctatttaatg gcatgacggt taaagctcga gctactactc 5040
212 gagaggtaat ggctacttat actattgagg acatagttat tgaacttata atacaactgc 5100
213 cttcaaatta tccactgggt tcaataatag tagaaagtgg gaaaagagta ggagtagctg 5160
214 ttcagcagtg gcggaactgg atgctgcagt taagcactta cctcacccat cagaatggaa 5220
215 gtattatgga aggcttagct ttatggaaaa ataacgtaga caaacgtttt gagggtgttg 5280
216 aagattgcat gatctgtttc tcagtcattc acggtttcaa ctattccctt cccaaaaaag 5340
217 cctgtagaac atgcaagaaa aaattccatt cagcctgctt gtacaaatgg tttacatcta 5400
218 gcaacaaatc cacttgtcca ctgtgtcgtg agacgttttt ctga         5444
221 <210> SEQ ID NO: 3
222 <211> LENGTH: 14
223 <212> TYPE: PRT
224 <213> ORGANISM: Mus musculus
226 <400> SEQUENCE: 3
227 Lys Glu Asp Leu Lys Trp Ser Ser Leu Leu Gln Val Ile Glu
228  1               5                    10
231 <210> SEQ ID NO: 4
232 <211> LENGTH: 14
233 <212> TYPE: PRT
234 <213> ORGANISM: Homo sapiens
236 <400> SEQUENCE: 4
237 Lys Val Asp Leu Lys Trp Asn Ser Leu Leu Lys Ile Ile Glu
238  1               5                    10
241 <210> SEQ ID NO: 5
242 <211> LENGTH: 1753
243 <212> TYPE: PRT
244 <213> ORGANISM: Mus musculus
246 <400> SEQUENCE: 5
247 Met Gly Gly Lys Asn Lys Gln Arg Thr Lys Gly Asn Leu Arg Pro Ser
248  1               5                    10                   15
250 Asn Ser Gly Arg Ala Ala Glu Leu Leu Ala Lys Glu Gln Gly Thr Val
251               20                    25                   30
253 Pro Gly Phe Ile Gly Phe Gly Thr Ser His Ser Asp Leu Gly Tyr Val
254               35                    40                   45
256 Pro Ala Val Gln Gly Ala Glu Asp Ile Asp Ser Leu Val Asp Ser Asp
257       50                    55                   60
259 Phe Arg Met Val Leu Arg Lys Leu Ser Lys Lys Asp Val Thr Thr Lys
260 65                    70                   75                   80
262 Leu Lys Ala Met Gln Glu Phe Gly Ile Met Cys Thr Glu Arg Asp Thr
263                     85                   90                   95
265 Glu Ala Val Lys Gly Val Leu Pro Tyr Trp Pro Arg Ile Phe Cys Lys
266               100                   105                  110
268 Ile Ser Leu Asp His Asp Arg Arg Val Arg Glu Ala Thr Gln Gln Ala
```

VERIFICATION SUMMARY   DATE: 09/01/2004
PATENT APPLICATION: **US/10/783,989**   TIME: 17:10:50

Input Set : **A:\22731402.app**
Output Set: **N:\CRF4\09012004\J783989.raw**